

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A nutritional supplement comprising at least two components administered in effective daily dosages selected from the group consisting of:

25-2500 mg +/- alpha-lipoic acid,

50-7500 mg acetyl-L-carnitine,

25-2500 mg resveratrol;

100-5000 mg lecithin; and

30-6000 mg N-acetyl cysteine with the proviso that the ~~composition~~ lipoic acid and the acetyl-L-carnitine are not administered together.

2. (Currently Amended) The ~~composition~~ nutritional supplement of claim 1 and further comprising a carrier for said components.

3. (Canceled)

4. (Currently Amended) The ~~composition~~ nutritional supplement of claim 2 wherein said carrier comprises a liquid.

5. (Currently Amended) The ~~composition~~ nutritional supplement of claim 2 wherein said carrier is selected from the group consisting of: a capsule, a transdermal patch, an injectable solution, an intranasal aerosol and a suppository.

6. (Currently Amended) The ~~composition~~ nutritional supplement of claim 2 wherein said carrier comprises a tablet.

7. (Currently Amended) The ~~composition~~ nutritional supplement of claim 1 wherein said composition comprises at least one mitochondrial metabolite or promoter thereof selected from the group consisting of 25-2500 mg of +/- alpha-lipoic acid, 50-7000 mg acetyl-L-carnitine, 30-6000 mg N-acetyl cysteine, and 40-1500 1000 mg resveratrol.

8. (Currently Amended) The ~~composition~~ nutritional supplement of claim 1 wherein said composition comprises at least one mitochondrial metabolite or promoter thereof selected from the group consisting of 25-2500 mg of +/- alpha-lipoic acid, 50-7000 mg acetyl-L-carnitine, 30-6000 mg N-acetyl cysteine, and 150-3000 mg lecithin.

9. (Currently Amended) The ~~composition~~ nutritional supplement of claim 6 wherein said lecithin is present from 100-5000 mg.

10. (Canceled)

11. (Currently Amended) A nutritional supplement comprising at least two components administered in effective daily dosages selected from the group consisting of:

600-3000 50-1000 mg +/- alpha-lipoic acid,

250-2000 100-5000 mg acetyl-L-carnitine,

45-1000 mg resveratrol;

200-2000 mg lecithin; and

100-2500 750 mg N-acetyl cysteine with the proviso that the composition lipoic acid and the acetyl-L-carnitine are not administered together.

12. (Currently Amended) The ~~composition~~ nutritional supplement of claim [[10]] 6 and further comprising a carrier for said components.

13. (Canceled)

14. (Currently Amended) The ~~composition~~ nutritional supplement of claim 11 wherein said carrier comprises a liquid.

15. (Currently Amended) The ~~composition~~ nutritional supplement of claim 11 wherein said carrier comprises a tablet.

16. (Canceled)

17. (Currently Amended) The ~~composition~~ nutritional supplement of claim [[10]] 7 wherein said ~~composition supplement~~ comprises at least one mitochondrial metabolite or promoter thereof selected from the group consisting of 600-3000 50-1000 mg of +-alpha-lipoic acid, 250-2000 100-5000 mg acetyl-L-carnitine, 100-2500 7500 mg N-acetyl cysteine, and 150-3000 mg lecithin.

18. (Currently Amended) The composition nutritional supplement of claim 15 wherein said lecithin is present from 200-2000 mg.

19. (Currently Amended) The composition nutritional supplement of claim [[16]] 7 wherein said resveratrol is present from 45-1000 mg.

20. (Currently Amended) The method of promoting cognitive or auditory function, said method comprising the step of:

administering to said cells a composition comprising at least two components in synergistic effective amounts of at least two components selected from the group consisting of:

25-2500 mg +/- alpha-lipoic acid,

50-7500 mg acetyl-L-carnitine,

25-2500 mg resveratrol;

100-5000 mg lecithin; and

30-6000 mg N-acetyl cysteine with the proviso that the composition lipoic acid and the acetyl-L-carnitine are not administered together.

21. (Currently Amended) The method nutritional supplement of claim 19 wherein said step of administering occurs daily.